

# 14



Entered

1600

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION:** US/10/007,790

**DATE:** 05/16/2003  
**TIME:** 07:21:47

**Input Set :** N:\Crf3\RULE60\10007790.raw.txt  
**Output Set:** N:\CRF4\05162003\J007790.raw

1 <110> APPLICANT: Medical & Biological Laboratories Co.,Ltd.  
 2 <120> TITLE OF INVENTION: Monoclonal Antibody Specific for  
 3 Phosphatidylinositol-3,4,5-Triphosphate  
 4 <130> FILE REFERENCE: M3-008-US  
 5 <140> CURRENT APPLICATION NUMBER: US/10/007,790  
 6 <141> CURRENT FILING DATE: 2001-11-13  
 7 <150> PRIOR APPLICATION NUMBER: US/09/257,069  
 8 <151> PRIOR FILING DATE: 1999-02-24  
 9 <150> PRIOR APPLICATION NUMBER: JP 1998-252921  
 10 <151> PRIOR FILING DATE: 1998-09-07  
 11 <160> NUMBER OF SEQ ID NOS: 10  
 12 <170> SOFTWARE: PatentIn Ver. 2.0  
 14 <210> SEQ ID NO: 1  
 15 <211> LENGTH: 372  
 16 <212> TYPE: DNA  
 17 <213> ORGANISM: Mus musculus  
 18 <220> FEATURE:  
 19 <221> NAME/KEY: CDS  
 20 <222> LOCATION: (1)..(372)  
 21 <400> SEQUENCE: 1  
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 23 Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Val Val Lys Thr Gly Ala  
 24 1 5 10 15  
 25 tca gtg aag ata tcc tgc aag gct tct ggt tac tca ttc act ggt tac 96  
 26 Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Gly Tyr  
 27 20 25 30  
 28 tac atg cac tgg gtc aag cag agc cat gga aag agc ctt gag tgg att 144  
 29 Tyr Met His Trp Val Lys Gln Ser His Gly Lys Ser Leu Glu Trp Ile  
 30 35 40 45  
 31 gga tat att agt tgt tac aat gct gct act agg tac aac cag aag ttc 192  
 32 Gly Tyr Ile Ser Cys Tyr Asn Ala Ala Thr Arg Tyr Asn Gln Lys Phe  
 33 50 55 60  
 34 aag ggc aag gcc aca ttt act gta gac aca tcc tcc agc aca gcc tac 240  
 35 Lys Gly Lys Ala Thr Phe Thr Val Asp Thr Ser Ser Thr Ala Tyr  
 36 65 70 75 80  
 37 atg cag ttc aac agc ctg aca tct gaa gac tct gcg gtc tat tac tgt 288  
 38 Met Gln Phe Asn Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys  
 39 85 90 95  
 40 gca aga tca ggg gcc tac tat agg tac gga gtt gtt tac tgg ggc caa 336  
 41 Ala Arg Ser Gly Ala Tyr Tyr Arg Tyr Gly Val Val Tyr Trp Gly Gln  
 42 100 105 110  
 43 ggg act ctg gtc act gtc tct gca gct aca aca aca 372  
 44 Gly Thr Leu Val Thr Val Ser Ala Ala Thr Thr Thr

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48 <211> LENGTH: 124			
49 <212> TYPE: PRT			
50 <213> ORGANISM: Mus musculus			
51 <400> SEQUENCE: 2			
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53        1               5               10               15			
54       Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Gly Tyr			
55        20              25              30			
56       Tyr Met His Trp Val Lys Gln Ser His Gly Lys Ser Leu Glu Trp Ile			
57        35              40              45			
58       Gly Tyr Ile Ser Cys Tyr Asn Ala Ala Thr Arg Tyr Asn Gln Lys Phe			
59        50              55              60			
60       Lys Gly Lys Ala Thr Phe Thr Val Asp Thr Ser Ser Ser Thr Ala Tyr			
61        65              70              75              80			
62       Met Gln Phe Asn Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys			
63        85              90              95			
64       Ala Arg Ser Gly Ala Tyr Tyr Arg Tyr Gly Val Val Tyr Trp Gly Gln			
65        100             105             110			
66       Gly Thr Leu Val Thr Val Ser Ala Ala Thr Thr Thr			
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70 <211> LENGTH: 321			
71 <212> TYPE: DNA			
72 <213> ORGANISM: Mus musculus			
73 <220> FEATURE:			
74 <221> NAME/KEY: CDS			
75 <222> LOCATION: (1)..(321)			
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79        1               5               10               15			
80 gaa act gtc acc atc aca tgt cga gca agt gag aat att tac agt tat	96		
81 Glu Thr Val Thr Ile Thr Cys Arg Ala Ser Glu Asn Ile Tyr Ser Tyr			
82        20              25              30			
83 tta cca tgg tat cag cag aat cag gga aaa tct cct cag ctc ctg gtc	144		
84 Leu Pro Trp Tyr Gln Gln Asn Gln Gly Lys Ser Pro Gln Leu Leu Val			
85        35              40              45			
86 tat aat gca aaa acc tta aca gaa ggt gtg cca tca agg ttc agt ggc	192		
87 Tyr Asn Ala Lys Thr Leu Thr Glu Gly Val Pro Ser Arg Phe Ser Gly			
88        50              55              60			
89 agt gga tca ggc aca cag ttt tct ctg aag atc aac agc ctg cag cct	240		
90 Ser Gly Ser Gly Thr Gln Phe Ser Leu Lys Ile Asn Ser Leu Gln Pro			
91        65              70              75              80			
92 gaa gat ttt ggg agt tat tac tgt caa cat cat tat ggt act ccg tac	288		
93 Glu Asp Phe Gly Ser Tyr Tyr Cys Gln His His Tyr Gly Thr Pro Tyr			
94        85              90              95			
95 acg ttc gga ggg acc aag ctg gaa ata aaa	321		

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96 Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys  
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99 <210> SEQ ID NO: 4  
100 <211> LENGTH: 107  
101 <212> TYPE: PRT  
102 <213> ORGANISM: Mus musculus  
103 <400> SEQUENCE: 4  
104 Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser Ala Ser Val Gly  
105 1 5 10 15  
106 Glu Thr Val Thr Ile Thr Cys Arg Ala Ser Glu Asn Ile Tyr Ser Tyr  
107 20 25 30  
108 Leu Pro Trp Tyr Gln Gln Asn Gln Gly Lys Ser Pro Gln Leu Leu Val  
109 35 40 45  
110 Tyr Asn Ala Lys Thr Leu Thr Glu Gly Val Pro Ser Arg Phe Ser Gly  
111 50 55 60  
112 Ser Gly Ser Gly Thr Gln Phe Ser Leu Lys Ile Asn Ser Leu Gln Pro  
113 65 70 75 80  
114 Glu Asp Phe Gly Ser Tyr Tyr Cys Gln His His Tyr Gly Thr Pro Tyr  
115 85 90 95  
116 Thr Phe Gly Gly Thr Lys Leu Glu Ile Lys  
117 100 105  
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120 <211> LENGTH: 7  
121 <212> TYPE: PRT  
122 <213> ORGANISM: Mus musculus  
123 <400> SEQUENCE: 5  
124 Gly Tyr Ser Phe Thr Gly Tyr  
125 1 5  
127 <210> SEQ ID NO: 6  
128 <211> LENGTH: 5  
129 <212> TYPE: PRT  
130 <213> ORGANISM: Mus musculus  
131 <400> SEQUENCE: 6  
132 Ser Cys Tyr Asn Ala  
133 1 5  
135 <210> SEQ ID NO: 7  
136 <211> LENGTH: 11  
137 <212> TYPE: PRT  
138 <213> ORGANISM: Mus musculus  
139 <400> SEQUENCE: 7  
140 Ser Gly Ala Tyr Tyr Arg Tyr Gly Val Val Tyr  
141 1 5 10  
143 <210> SEQ ID NO: 8  
144 <211> LENGTH: 11  
145 <212> TYPE: PRT  
146 <213> ORGANISM: Mus musculus  
147 <400> SEQUENCE: 8  
148 Arg Ala Ser Glu Asn Ile Tyr Ser Tyr Leu Pro  
149 1 5 10

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Input Set : N:\Crf3\RULE60\10007790.raw.txt  
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151 <210> SEQ ID NO: 9  
152 <211> LENGTH: 7  
153 <212> TYPE: PRT  
154 <213> ORGANISM: Mus musculus  
155 <400> SEQUENCE: 9  
156 Asn Ala Lys Thr Leu Thr Glu  
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159 <210> SEQ ID NO: 10  
160 <211> LENGTH: 9  
161 <212> TYPE: PRT  
162 <213> ORGANISM: Mus musculus  
163 <400> SEQUENCE: 10  
164 Gln His His Tyr Gly Thr Pro Tyr Thr  
165 1 5

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/007,790

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TIME: 07:21:48

Input Set : N:\Crf3\RULE60\10007790.raw.txt

Output Set: N:\CRF4\05162003\J007790.raw